This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

PTO/SB/01 (05-03)
Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

	DECLAR	ATION	I EOD LITH ITY OD	Attorney Docket Number	02-028				
	DECLARATION FOR UTILITY OR DESIGN			First Named Inventor DENNIS P. CURRAN					
	PATENT APPLICATION (37 CFR 1.63)		COI	MPLETE IF KNOWN					
			Application Number	10/655,916					
	Declaration		Declaration	Filing Date	September 05, 2003				
ب	J Submitted OR Submitted after Initial With Initial Filing (surcharge	Art Unit	1614						
	Filing		(37 CFR 1.16 (e)) required)	Examiner Name	TO BE ASSIGNED				

I hereby declare that:							
Each inventor's residence, ma	ailing address, a	ınd citizenship are as	stated below next	to their name.			
I believe the inventor(s) name which a patent is sought on the			eventor(s) of the sul	oject matter w	hich is claimed and for		
ANALOGS OF DISCO			OSTATIN-1, IN	TERMED	IATES THEREFOR		
AND METHODS OF SYNTHESIS THEREOF							
		(Title of the In	vention)				
the specification of which							
is attached hereto							
OR							
was filed on (MM/DD/Y	was filed on (MM/DD/YYYY) 09/05/2003 as United States Application Number or PCT Internation						
Application Number 10	/655,916	and was amended	on (MM/DD/YYYY)		(if applicable		
I hereby state that I have review amended by any amendment			f the above identifie	ed specification	n, including the claims, as		
I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.							
I hereby claim foreign priority	/ benefits unde	r 35 U.S.C. 119(a)-((d) or (f), or 365(b)	of any forei	gn application(s) for pater		
inventor's or plant breeder's i country other than the United							
application for patent, invento							
before that of the application			-(-), -: -: ·· · · · · · · · · · · · · · · ·		F		
Prior Foreign Application Number(s)	Country	Foreign Filing (riority Claimed	Certified Copy Attached Yes No		
Numberts	- Journal y	(WINTODITY)	NOL'				
				oxdot			
Additional foreign applica	tion numbers a	e listed on a supplen	nental priority data	sheet PTO/SE	3/02B attached hereto.		

[Page 1 of 2]

This collection of information is required by 37 CFR 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

DECLARATION — Utility or Design Patent Application

Direct all correspondent	cato: C Custo				
		ner Number Code Label		OR V	Correspondence address be
Name HENRY E. BARTONY, JR.					
Address BARTONY & HARE, LLP LAW & FINANCE BUILDING	3, SUITE 1801, 429 F	OURTH AVENI	HE		
City			State		
PITTSBURGH			PA	÷	ZIP
Country		Telephone			15219
UNITED STATES		412/338-8832	2 o oog	Fax 412/338-661	•
false statements may jee	o made are punisha pardize the validity o			A MIGRA MINI	statements made on informa the knowledge that willful fo J.S.C. 1001 and that such wi
NAME OF SOLE OR FIR	ST INVENTOR:	Г	A petition has b	oon the deep the	
Given Name (first and middle [if any]) DENNIS P.	1			ramity Name or Sumeme	unsigned inventor
Inventor's Signature	11/1	-		CURRAN	Date
Residence: City	State		Country	· · · · · · · · · · · · · · · · · · ·	5/24/04
PITSBURGH	PA	•	US	1	Citizenship
Mailing Address IOS S. LINDEN AVENUE			144		JS
City	State				•
TITSBURGH	PA		ZIP		Country
VIAME OF STREET			15208		US
NAME OF SECOND INVE	NTOR:		A pe	tition has been	filed for this unsigned invento
first and middle (if any))			∫ Fa;	mily Name Surname	3,100
ignature					Date
Residence: City	State		Country		itizenship
failing Address					,
			• .		
ity	State		710		
ity	State		ZIP	C	ountry

Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
ADDITIONAL AT LEAST USE AND ADDITIONAL ASSOCIATION OF THE CONTROL OF ADDITIONAL INVENTOR(S)
Supplemental Sheet DECLARATION

			american others	Page of _6
Name of Additional Joint Inventor, if any:			petition has been filed for	this unsigned inventor
Given Name (first and middle (if any)			Name or Surname	and untiligrad intentior
YOUSEUNG		SHIN	TO OTHER TO	
tiventor's yousewy				5/24/
Residence: City PITTSBURGH	State	PA	Country US	Cltizenship KOREA
Mailing Address 5030 CENTRE AVENUE, No. 864				Conscission
Mailing Address	······································			
PITTSBURGH	State	PA	Zip 15213	Country
Name of Additional Joint Inventor, if any:			patition has been filed for t	
Given Name (first and middle (if any)			Family Name	
riventor's Signature				
Residence: City	State		Country	
failing Address				Citizenship
failing Address				
lity	State		Zip	Country
lame of Additional Joint Inventor, if any:		□ _{Ap}	etition has been filed for th	
Given Name (first and middle (if any)			Family Name o	
				· · · · · · · · · · · · · · · · · · ·
Ventor's ignature		Date		
esidence: City	State		Country	P
ailing Address				Citizenship
ailing Address				
y				

City

| State | Zip | Country |
This collection of Information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.61. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the corrigioted application form to the USPTO. Time will vary depending upon the individual case. Any U.S. Patent and Tradement Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-8199 (1-800-785-9199) and select option 2.

......

PTO/SB/02A (05-03)

Approved for use through 04/30/2003. OMF0 6651-033)

Approved for use through 04/30/2003. OMF0 6651-032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

ADDITIONAL INVENTOR(S)

Sunniamental Sheet

DECLARATION		Supplemen	tai Sneet	Pag	2 of 6
				· · ·	11
Name of Additional Joint Inventor, if any:		A peti	tion has been filed fo	r this unsigned	Inventor
Given Name (first and middle (if any)			e or Sumame		
NAKYEN		CHOY		1	
Inventor's Signature	7	······································		Date	1/24/0X
Residence: City BELLE MEAD	State	NJ I	Country US	Citizena	hip KOREA
Mailing Address 823 PRIMROSE COURT			•		
Mailing Address	· .		·		
BELLE MEAD City	State	NJ	Zip 08502	Coun	US itry
Name of AdditionalJ oint Inventor, if any:		☐ A pet	ition has been filed fo	or this unsigned	1 inventor
Given Name (first and middle (If any)			Family Na	ne or Sumame	3
Inventor's Signature					
Residence: City	State		Country		Citizenship
Mailing Address					
Mailing Address					
0.5	State		Zip	Cour	τtry
Name of Additional oint Inventor, if any:		□ A pet	ition has been filed fo	or this unsigned	d inventor
Given Name (first and middle (if any)			Family Nar	ne or Surname	
Inventor's Signature		Date			
Residence: City	State		Country		Citizenship
Mailing Address					. ,
Mailing Address	_			т	
City	Slate		Zip	Cour	ntry

This collection of Information is required by 35 U.S.C. 115 and 37 CFR 1.63. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce. P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissionar for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/02A (05-03)

Approved for use through 04/30/2003. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

ADDITIONAL INVENTABLE.

DECL	ARATION	·	ADDITION: Supplements	AL INVENTOR(S) I Sheet ———————————————————————————————————	Page -	3 01 8
Name of Additional Joir	t Inventor, if any:	.	A petition	on has been filed for th	is unalgned Inv	entor
	st and middle (if any)		Family Name	or Surname	·····	
BILLY W.			DAY			
Inventor's Signature	ef Vivar				Date 5	124/04
Residence: City PITTSBURGH	0	State	PA C	Country US	Citizenship	US
Mailing Address 1129 SUNR	SE DRIVE				<u>.</u>	
Mailing Address						
PITTSBURGH City		State	PA	Zip 15243	Country	ŲS
Name of Additional Join	it Inventor, if any:		A petition	on has been filed for th	nis unsigned inv	entor
Given Name (f	rst and middle (if any)			Family Name	or Sumame	
Inventor's Signature						
Residence: City		State		Country		Citizenship
Mailing Address						
Mailing Address	-					,
City		State		Zlp	Country	
Name of Additional Join	nt Inventor, if any:		A petition	on has been filed for t	nis unsigned im	/entor
Given Name (fi	st and middle (if any)			Family Name	or Sumame	
Inventor's Signature			Date			
Residence: City		State		Country		Citizenship
Mailing Address						
Mailing Address					·····	· •••
City		State	ı	Zip	Country	

This collection of Information is required by 35 U.S.C. 115 and 37 CFR 1.83. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and aubmitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Internation Officer, U.S. Patent and Trademark Office, U.S. Department of Commarce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/02A (05-03)

Approved for use through 04/30/2003. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond ADDITIONAL INVENTOR(S) DECL ARATION Supplemental Sheet Page Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle (if any) RAGHAVAN BALACHANDRAN inventor's Signature Residence: City WEXFORD Citizenship INDIA State PA Country US 2548B PHEABANT RUN Mailing Address Mailing Address WEXFORD PA 15090 US City State Country Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle (if any) Family Name or Surname inventor's Signature Residence: City State Country Citizenship Mailing Address Malling Address City State Zip Country Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle (if any) Family Name or Sumame Inventor's Signature Date Residence: City State Country Citizenship Mailing Address Mailing Address

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.83. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, proparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Zip

Country

State

PTO/SB/02A (05-03)
Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1985, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLA	RATION	ADDITIONAL INVENTOR(S) Supplemental Sheet Fageof				5 6	
Name of Additional Joint	nventor, if any:		A peti	tion h	as been filed for this u	nsigned inv	entor
Given Name (first	and middle (if any)		Family Name	e or S	Surname		
CHARITHA			MADIRAJU				
Inventor's Chauth	a <u>Madirap</u>	^				Date M	lay 24,04
Residence: City PITTSBURGH		State	PA	Cour	ntry US	Citizenship	INDIA
Mailing Address 120 RUSKIN A	VENUE, APARTMENT NO	D. 617		·-, ·-			
Mailing Address					·		
PITTSBURGH City		State	PA		Zip 15213	Country	us
Name of Additional Joint	Inventor, if any:		A peti	ition h	nas been filed for this u	nsigned inv	rentor
Given Name (first	and middle (if any)		Family Name or Surname				
Inventor's Signature							
Residence: City		State			Country		Citizenship
Mailing Address							
Mailing Address	·						
City		State			Zip	Country	
Name of Additional Joint	Inventor, if any:		☐ A peti	ition h	nas been filed for this u	nsigned inv	entor
· Given Name (first	and middle (if any)				Family Name or Si	ımame	•
Inventor's Signature			Date				
Residence: City		State			Country		Citizenship
Mailing Address							
Mailing Address						,	
City		State			Zip	Country	140

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1460. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION		ADDITIO Supplemen	NAL ital Si	. INVENTOR(S) heet	_ Page -	6 6 —
						
Name of Additional Joint Inventor, if any:		A pet	ition h	nas been filed for this	unsigned inv	ventor
Given Name (first and middle (if any)		Family Nam	ne or S	Sumame		
TIFFANY		TURNER				
Inventor's Signature					Date .5 /	25/64 us
Residence: City PITTSBURGH	State	PA	Cour	ntry US	Citizenship	us '
Mailing Address 225 MELWOOD AVENUE, No. 31						·
Mailing Address						
PITTSBURGH City	State	PA		15213 Zip	Country	US
Name of Additional Joint Inventor, if any:		☐ A pet	ition h	nas been filed for this	unsigned inv	rentor
Given Name (first and middle (if any)		Family Name or Surname				
Inventor's Signature						
Residence: City	State			Country		Citizenship
Mailing Address						
Mailing Address						
City	State			Zip	Country	
Name of Additional Joint Inventor, if any:		A pet	ition h	nas been filed for this	unsigned inv	ventor
Given Name (first and middle (if any)	<u>.</u> i			Family Name or S	urname	
						
Inventor's Signature		Date				
Residence: City	State	<u>.</u>		Country		Citizenship
Mailing Address						
Mailing Address						
City	State			Zin	Country	

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

•		u umber	10/855,9	18		
• #	Filing Date			September 5, 2003		
POWER OF ATTORNEY OR		d Inventor	DENNIS P. CURRAN			
AUTHORIZATION OF AGENT	Title			OF DISCODERMOLIDE AND		
THE PROPERTY OF MODING	Art Unit		1614			
	Examiner :		TO BE A	SSIGNED		
	Attorney D	ocket Number	02-028			
hereby appoint:						
Practitioners at Customer Number OR Practitioner(s) named below:			→ [Place Customer Number Bar Code Label here		
Name	- i · ·	·····				
			Registration N	umber		
HENRY E. BARTONY, JR.			34,772			
s mylour aftorney(s) or agent(s) to prosecute the application in rademark Office connected therewith.	dentified above	and to trensact	ell business in	the United States Patent and		
lease change the correspondence address for the above-lder		_ 4		<u> </u>		
The above-mentioned Customer Number.	mion approacto					
						
OR Practitioners at Customer Number.				Place Customer Number Ber Code Lebel here		
OR				· · · · · · · · · · · · · · · · · · ·		
Firm or findividual Name	, , , , , , , , , , , , , , , , , , , ,		77 1 107			
Address			***************************************			
Address				•		
City		State	٠,	Zip		
Country .			****			
Telephone		Fax				
am the: Applicant/inventor. Assignee of record of the entire interest, See 37 CFR:	3.71.			·		
				<u> </u>		
Statement under 37 CFR 3.73(b) is enclosed. (Form F	Dringall of As	argnee of Keco	T			
BIGNATURE of A						
BIGNATURE of A	DENNIS P. CUI	RAN				
ime BIGNATURE of A						
BIGNATURE of A			isphone 41	2.624.8240		
ime BIGNATURE of A	DENNIS P. CUI	Te				

This collection of information is required by 37 CFR 1.31 and 1.33. The information is judicised to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application from to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form end/of suggestions for reducing this burden, should be sent to the Criter Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1460, Alexandria, VA 22313-1480. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patentia, P.O. Box 1460, Alexandria, VA 22313-1460.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

....

PTO/58/81 (05-03) U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid CMB control number.

Application Number 10/655;918 Filing Date POWER OF ATTORNEY OR September 5, 2003 First Named Inventor DENNIS P. CURRAN **AUTHORIZATION OF AGENT** Title ANALOGS OF DISCODERMOLIDE AND ... Art Unit 1614 Examiner Name TO BE ASSIGNED Attorney Docket Number 02-028 I hereby appoint: Practitioners at Customer Number Place Customer. Number Bar Code OR Label here Practitioner(s) named below: Name Registration Number HENRY E. BARTONY, JR. 34,772 as my/our attorney(s) or agent(s) to prosecute the application Identified above, and to transact all business in the United States Patent and Trademark Office connected therewith. Please change the correspondence address for the above-identified application to: The above-mentioned Customer Number. OR Practitioners at Customer Number. Place Customer Number Bar Code Label here Firm or Individual Name Address Address City State Country Telephone am the: 1 Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed: (Form PTO/S8/95):

DEMAR

Name

Signature

YOUSEUNG SHIN

Signature

Of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple

Total of 7 forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.83. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any commants on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/81 (05-03)
Approved for use through 11/30/2005, OMB 0651-0035
U.S. Patent and Tradsmark Office; U.S. DEPARTMENT OF COMMERCE

- O11001 II	e Paperwork Reduction	Act of 1995, no persons are rec	Application	number	nformation unle 10/655,9	ss it display 116	a valid OMB control f	umber.
			Filing Date				1	
			First Named Inventor			September 5, 2003 DENNIS P. CURRAN		
		TORNEY OR	Title	 .			ERMOUDE AND	- h
AUT	HORIZATIO	N OF AGENT	Art Unit	· ·	1614			E .
•			Examiner N	ame		ASSIGNE		里
			Attorney Do	cket Number	02-028			6
								=
hereby app Practi	oint: lloners at Customer	Number					Place Customer Number Bar Code Label here	
7.73	lloner(s) named belo	ow:						
		Name			Registration	Number		
HEN	RY E. BARTONY, JF	₹,			34,772] .
								4
	•						· · · · · · · · · · · · · · · · · · ·	_
) to prosecute the application						╛
The a	ubove-mentioned Customer						Place Customer lumber Bar Code Label here	
	Firm or Individual Name							
Addre						·		
Addre			-			-	*******	
Çity			·-	State		Zip	1	
Coun	try			·		•	<u>. </u>	
	hone			Fax		****		
I As	plicant/Inventor. signee of record of ti atement under 37 CF	he entire interest. See 37 CF FR 3.73(b) is enclosed. (Form	FR 3.71. n PTO/SB/98).			· .		
	-		of Applicant or A	ssignee of R	ecord			
Name		,	NAKYEN CHO	ΟY			·	
Signature		alrzentin						
Date	\$	124 104		· · · · · · · · · · · · · · · · · · ·	Telephone	908-874	-6300	
						A	41-	
NOTE: Signa	tures of all the inventors than one signature is re	s or sseignees of record of the elegated see below.	nore interest or thei	r representativet	s) are required.	SUDMIK MUI	obie	

This collection of information is required by 37 CFR 1.31 and 1.35. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

BADEMARK

PTO/SB/81 (05-03)
Approved for use through 11/30/2005. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
of a collection of Information unless it disables. Under the Paperwork Reduction Act of 1995, no persons are required

POWER OF A	TTOR	NEY OR
AUTHORIZAT	ION OF	AGENT

The second secon	amadon unless it displays a valid OMB control number
Application Number	10/655,916
Filing Date	September 5, 2003
First Named Inventor	DENNIS P. CURRAN
Title	ANALOGS OF DISCODERMOLIDE AND
Art Unit	1614
Examiner Name	TO BE ASSIGNED
Attorney Docket Number	02-028

ſ	I here	by appoint;							
`		Practitioners at Custom	er Number		_		Place Customer Number Bar Code		
		OR .					Label here		
-	\checkmark	Practitioner(s) named b	elow:						
1									
ı			Name		-	Registrati	on Number		
1		HENRY E. BARTONY,	JR.			34.77	70		
-					34,772				
ļ							·		
1									
ł	as my. Tradei	our attorney(s) or agent mark Office connected the	(s) to prosect	ite the application identified	above, and to tran	nsact all busine	ss in the United States Patent and		
				for the above-identified app					
h					Dication to:				
'ו		The above-mentioned C	ustomer Nur	iber.					
1	¬°						•		
Ţ		Practitioners at Customs	r Number.		-	 →	Place Customer Number Bar Code		
	OI	,	 				Label hera		
h		Firm or							
	<u></u>	Individual Name							
<u> </u> -		Address							
-		Address City	ļ						
\vdash		Country			State		Zip		
r		felephone							
h	am th	e:			Fax				
ı	\checkmark	Applicant/Inventor.		•					
l		Assignee of record of	he entire inte	rest. See 37 CFR 3.71.					
L		Statement under 37 C	-R 3.73(b) is	enclosed. (Form PTO/SB/96	3).				
				SIGNATURE of Applicant	or Assignee of R	ecord			
N	ame			BILLY W. C					
	ignatu	10 Silly w	(X) gr	BILLY VV. L	<u>'A1</u>				
L	ate	5-24	04			Telephone	412.848.9706		
N	NOTE: Signatures of all the inventors or september of second of the								
۳	LLUB IL U	nore than one signature is r	quired, see be	lows.	ioprovinadva(ur are required, t	эиотк тирре		
L		Total of 7	orms are sub	mitted.					
							i		

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Name

Date

Signature

*Total of _7

Dolan

forms if more than one signature is required, see below".

PTC/S8/81 (05-03)

Approved for use through 11/30/2005. OMB 0851-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Application Number

Application Number

10/656,918

⊗7 _]	•	Litting nat		Sentem	Short F 2000		
POWER OF A		ATTORNEY OR		First Nam	riist Named Inventor		Septemeber 5, 2003 DENNIS P. CURRAN		
		ION OF AGENT	Title	ANALOGE OF DISCODERMOLIDE AND					
		1011 01	AGENI	Art Unit		1614	C/ DISCODERMOLIDE AND		
{	•			Examiner	Name		ASSIGNED		
				Attorney	Docket Number	02-028	SSIGNED		
I hereby	appoint:					1 02-020			
Pro OR	actitioners at Custom	-					Place Customer Number Bar Code Label here		
Г	Total India	Name	*			M			
1 -		<u> </u>			Registration Number				
HE	NRY E. BARTONY,	JR.			34,772				
L						34,772			
				-+					
					-				
as my/our	attomey(s) or agent	s) to prosect	ute the application ld	entified above	and to tropped	-11 -	n the United States Patent and		
						an Dusiness	n the United States Patent and		
Please cha	ange the correspond	ence address	s for the above-ident	ified application	on to				
☐ The	above-mentioned C	ustomer Nun	nber.						
OR					·	_			
Prac	iltioners at Custome	r Number.			,		Place Customer Number Ber Code		
OR						· L	Label here		
	Firm or Individual Name								
Addr	963								
Address					-				
City					State				
Соцп	try				- Create	<u> </u>	Zip		
Telep	hone		* *		Fax				
lam the:					1 4 1				
Ap.	plicant/inventor.					•	:		

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or rotain a benefit by the public which is to file (and by the USPTO to process) an application. Qonfidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple

SIGNATURE of Applicant or Assignee of Record

RAGHAVAN BALACHANDRAN

Telephone

(412) 624-6862

Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

forms are submitted.

MAN 2 5 2004 BEADENAGED

POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Approved for use through 11/30/2005, OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Lition Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Application Number	10/655,916				
Filing Date	September 5, 2003 DENNIS P. CURRAN ANALOGS OF DISCODERMOLIDE AND				
First Named Inventor					
Title					
Art Unit	1614				
Examiner Name	TO BE ASSIGNED				
Attorney Docket Number	02-028				

<u> </u>	<u> </u>		A	Morney Do	ocket Numb	ber 02-02	<u> </u>
i here	by appoint:						
	Practitioners at Custon	ner Number					Place Customer Number Bar Code
[2]	OR Practitioner(s) named b	below:					Label here
		Name				Registrativ	on Number
	HENRY E. BARTONY.	JR.				34,772	2
				1			
as my/	our attorney(s) or agent	(s) to prosec	ute the application ident	tried above	and to tran	earl all husine	ss in the United States Patent and
						JACK ON DUCKING	18 in the United States Patent and
Please	change the correspond	ence address	s for the above Identified	d application	n to:		
	The above-mentioned C	T)		- F • · ·			
OF	1		Juli.			Г	
		1				. 1	
-	Practitioners at Custome	er Number.	1		1-		Place Customer Number Bar Code
OR						L	Label here
	Firm or Individual Name Address						
	Address	4		<u> </u>			
	City	#					
	Country	#			State		Zip
	Telephone	#		 -			
l <u>am</u> the		4			Fax		
	Applicant/Inventor.	1					
<u> </u>	Statement under 37 C	the entire micr FR 3.73(b) is	erest. See 37 CFR 3.71. enclosed. (Form PTO/S	≏₽ÆR)			
		1	SIGNATURE of Applica		ignee of Rr	.ecord	
Name				THA MADIR			
Signatur	· Charith	N Mad	diram	All the	<u> </u>		——————————————————————————————————————
Date	05/2	15/04	1			Telephone	412.683.3941
NOTE: Sig	ignatures of all the inventors nore than one signature is r	Or sesionopo o	of record of the entire interested	est or their res	presentativa(e		3ubmit multiple
71							

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 95 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Tradsmark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 11/30/2005. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

	mation unless it displays a valid OMB control number.					
Application Number	10/655,916					
Filing Date	September 5, 2003					
First Named Inventor	DENNIS P. CURRAN ANALOGS OF DISCODERMOLIDE AND 1614					
Title						
Art Unit						
Examiner Name	TO BE ASSIGNED					
Attorney Docket Number	02-028					

I hereby appoint:										
Pra	ctitioners at Customer Numbe	r	-		Place Customer Number Bar Code Label here					
OR										
√ Pra	✓ Practitioner(s) named below:									
	Nan	ne	Registration Number							
не	NRY E. BARTONY, JR.		34,772							
as my/our Trademar	attorney(s) or agent(s) to pro- k Office connected therewith.	secute the application identified	above, and to trans	act all business	in the United States Patent and					
Please ch	ange the correspondence add	ress for the above-identified ap	plication to:							
☐ The	e above-mentioned Customer	Number.		<u></u>						
OR										
Pra	Practitioners at Customer Number. Place Customer Number Bar Code Label here									
OR	OR									
	Firm or Individual Name									
Ado	Address									
Ade	dress									
Cit			State		Zip					
	untry									
	lephone		Fax							
I am the:										
	Applicant/Inventor.									
Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).										
SIGNATURE of Applicant or Assignee of Record										
Name	Name TIFFANY TURNER									
Signature Signature										
Date 5/25/04 Telephone 412.605.0295										
NOTE: Signatures of all the Inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.										
	*Total of _7 forms are submitted.									

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.